IN THE CLAIMS:

Please amend the claims as follows. A clean copy of the amended claims is provided herein as Attachment C.

1. (Twice Amended) A process for transmitting data between a radio communication network that transmits [transmitting the] data at a specified rate and data processing means linked to the network by [access] terminal means, wherein the terminal means includes [comprising network interface radio means linked to] data adapter means [interposed between the radio means and the data processing means so as to adapt them to the network, in] through which the data flows under the control of sequencer means, said process comprising the steps of

locking the sequencer means to the rate of the network and

synchronizing [with the latter] the flow of the data through the adapter means with the network.

2. (Twice Amended) The transmission process as claimed in claim 1, comprising controlling at least one buffer register[, for interfacing with the radio means] of the data adapter means in synchronism with the rate of the radio communication network.

4. (Twice amended) The transmission process as claimed in claim 1, further comprising

filling a buffer register with data to be sent, said data originating from the processing means, [and]

generating extraction pulses by the sequencer means, said extraction pulses synchronized with the rate of the network [in a central unit of the sequencer means] so as to extract the data from the buffer register,

encoding said data by the data adaptor means [adapt them by a coding] and

transmiting said data [them] to [the radio means] a network interface radio means.

5. (Twice amended) The transmission process as claimed in claim 1, comprising

storing [the] data originating from the radio [means] communication network in a buffer register, [and]

generating extraction pulses by the sequencer means, said extraction pulses synchronized with the rate of the network [in a central unit of the sequencer means] so as to extract the data from the buffer register,

[adapt them by a] decoding said data and

transmiting said data [them] to the processing means.

6. (Amended) A data transmission module for implementing the process of claim 1, comprising

network interface radio means for interfacing a data processing means with a radio communication network, wherein said radio communication network transmits [transmitting the] data at a specified rate,

data adapter means [arranged so as to be] interposed between the network interface radio means and the data processing means [and to adapt them to the network, in] through which [the] data flows under the control of a sequencer means,

wherein the sequencer means and the adapter means are grouped into a central unit comprising means for frequency-locking the sequencer means to the rate of the network.

7. (Amended) The transmission module as claimed in claim 6, [in which] wherein the frequency-locking means comprises a time base regulated by the radio communication network.

8. (Amended) The transmission module as claimed in claim 7, [in which] wherein the time base comprises frequency dividers [arranged so as to] divide the rate of the network and cyclically control data exchanges between the data adapter means and the network interface radio means.

9. (Amended) The transmission module as claimed in claim 8, [in which] wherein the data adapter means comprise at least one buffer register for exchanging data with the

network interface radio means, [which is] wherein said at least one buffer register is controlled by the frequency dividers.

10. (Amended) The transmission module as claimed in claim 8, [in which] wherein the data adapter means are connected to at least one buffer register for exchanging data with the data processing means, [which is] wherein said at least one buffer register is controlled by the frequency dividers.

11. (Amended) The transmission module as claimed in claim 8, [in which] wherein the data adapter means [are arranged so as to] carry out the data adaptation in synchronism with said data exchanges with the network interface radio means.

12. (Amended) The transmission module as claimed in claim 11, [in which] wherein the sequencer means [are arranged so as to] control in succession a transfer of data from the data processing means to a send path input buffer register, from the latter to the data adapter means and from the latter to the network interface radio means through a send-mode output register.

13. (Twice amended) The transmission module as claimed in claim 11, [in which] wherein the sequencer means [are arranged so as to] control in succession a transfer of data from the network interface radio means to a receive path input register, from the latter to the data adapter means and from the latter to the data processing means through a receive-mode output register.

14. (Twice amended) The transmission module as claimed in claim 6, [in which] wherein the data processing [circuits] means are incorporated into [the] said transmission module.

16. (Amended) The mobile terminal as claimed in claim 15, [in which] wherein the data processing means [are arranged so as to] process data exchanged with the internet network.